

Lutetium-177 Product Information

Specifications

Radioisotope	Lu-177
Half-Life/Daughter	6.647 days to hafnium-177
Decay	Decay Radiation Information (NNDC)
Chemical Form	Chloride solution (0.05 N HCl)
Available Specific Activity	2 products available, with specific activities as follows: <ul style="list-style-type: none"> • ≥ 740 GBq/mg (≥ 20 Ci/mg), routinely available* • ≥ 1850 GBq/mg (≥ 50 Ci/mg), special order**
Radionuclidic Purity	$\geq 99\%$
Production Route	Neutron capture on enriched lutetium-176 target
Processing	Irradiated lutetium is dissolved in HCl and dispensed
Primary Container	Glass vial in nonreturnable container
Availability	*Routinely available from MURR production **Available via special order from ORNL, dependent on HFIR cycle
Unit of Sale	Millicuries